

Sub D7  
1. (Amended Twice) A method [for identifying telephone numbers within] performed on an electronic document containing text-based information during a communication session, comprising the steps of:

parsing said text-based information within said electronic document;

5 recognizing a text-based telephone number [a] contained within said text-based information within said parsed electronic document, said text-based telephone number comprising a plurality of number[s] symbols and at least one text symbol interspersed with said plurality of number[s] symbols; and

C1  
[converting] adding code to convert said recognized text-based telephone number to [an] a selectable iconic [representation] telephone number.

Sub E2  
15 (Amended Twice) The method of Claim 1, further comprising the steps of: transparently disconnecting from said communication session upon selection of said selectable iconic representation of said recognized text-based telephone number; and

automatically dialing said selected recognized text-based telephone number to initiate a telephone [phone] call session.

C2 Sub E4  
20 (Amended) The method of Claim 1, wherein said parsing step [comprising] comprises the step of:

applying a parsing algorithm to said electronic document to pattern-recognize a text-based telephone number contained therein.

C3 Sub E5  
25 (Amended Twice) The method of Claim 1, further comprising the step of: transmitting or displaying said electronic document with said iconic representation of said recognized text-based telephone number to a complementary device.

C4 Sub E7  
30 (Amended) The method of Claim 1, wherein said electronic document is a Web page, and further comprising the steps of:

converting an HTML code representation of [a] said Web page; and adding a representation that iconifies said recognized text-based telephone number.

C5 Sub G1  
35 9. (Amended Twice) The method of Claim 1, wherein said selectable iconic [representation] telephone number of said recognized text-based telephone

number is identified by one of a button surrounding said recognized text-based number, font appearance, underlining, or highlighting.

10. (Amended Twice) The method of Claim 1, wherein all recognized text-based telephone numbers are each converted to an iconic representation.

11. (Amended Twice) The method of Claim 1, wherein recognized text-based telephone numbers meeting specific criteria are each converted to iconic representations.

10 *Sub 2* 12. (Amended Twice) The method of Claim 4, wherein said step of applying a parsing algorithm comprises the steps of:

developing a set of Picture Formats for the patterns of phone numbers;

reading an accessed electronic document;

15 *Cont* checking every character in [the text of] said text-based information within said electronic document to determine if said character is a numeric character;

applying a pattern-recognition algorithm to sequentially check a character following an identified [number] numeric character to determine if said following character is any of numeric or an interspersed text or punctuation character;

20 caching a series of consecutive [numbers] identified said numeric characters; and

comparing said [caches] cached series to said Picture Formats; wherein a matching format indicates a text-based telephone number.

*Sub 2* 25 13. (Amended Twice) The method of Claim 2, wherein said step of transparently disconnecting from said communication session upon selection of said iconified text-based telephone number and calling said telephone number comprises the steps of:

30 selecting said selectable iconic representation of said recognized text-based telephone number in a display of an access device;

said access device initiating a telephone call to said selected number if a telephone line or sufficient bandwidth is available;

35 said access device transparently disconnecting from said session if a telephone line is not available, and thereupon initiating a telephone call to said selected telephone number;

said access device recognizing the termination of said telephone call; and

C5 Sub D2  
Cont. cont. said access device optionally transparently re-connecting to said ~~communication session.~~

Sub Eq. 4.  
5 (Amended Twice) The method of Claim 1, further comprising the step of:  
automatically storing said selectable iconic representation of said recognized  
text-based telephone number in an address book.

Sub D3  
10 15. (Amended) A method for recognizing and accessing telephone numbers  
from a Web page, comprising the steps of:

parsing the HTML code of a Web page accessed during an Internet session;  
applying a parsing algorithm to [the text of] text-based information within said  
Web page to pattern-recognize a text-based telephone number contained therein;  
converting said HTML code to a representation of said Web page;

15 adding coding to said representation of said Web page [coding] to [iconify]  
produce a selectable telephone number icon associated with said recognized text-  
based telephone number;

transmitting said representation of said Web page with said [iconified]  
selectable telephone number icon to an access device for display;

C6 20 [iconified] selectable telephone number icon and calling said telephone number;  
recognizing the termination of said telephone call; and  
optionally transparently re-connecting to [the] said Internet.

25 16. (Amended) The method of Claim [14] 15, wherein said step of applying  
said parsing algorithm comprises the steps of:

developing a set of Picture Formats for the patterns of text-based phone  
numbers;

30 reading an accessed HTML document using a software program on a server;  
checking every character in the [text] text-based information of said HTML  
document to determine if [it] said checked character is a numeric character;

using a pattern-recognition algorithm to sequentially check a character following  
an identified number to determine if said character is any of numeric or an  
interspersed text or punctuation character;

35 caching a series of consecutive [numbers] numeric characters; and

comparing said caches series to said Picture Formats;  
wherein a matching format indicates a text-based telephone number.

17. (Amended) The method of Claim 15, wherein said iconified telephone number is identified by one of a button surrounding the text-based telephone number, font appearance, underlining, or highlighting.

18. (Amended) The method of Claim 15, wherein all recognized text-based telephone numbers are iconified.

19. (Amended) The method of Claim 15, wherein text-based telephone numbers meeting specific criteria are iconified.

20. (Amended) The method of Claim 15, further comprising the step of automatically storing said [iconified] selectable telephone number icon and related information in an address book.

21. (Amended) A system for recognizing and accessing a text-based telephone number[s] from a Web page, comprising:

a module for parsing the HTML code of a Web page accessed during an Internet session, wherein said Web page includes text-based information; and

a parsing algorithm used by said module to pattern-recognize [a] said text-based telephone number contained in [the text] said text-based information of said Web page.

22. (Amended) The system of Claim 21, further comprising:

a conversion module used to convert said parsed HTML code to a representation of said Web page; and

an iconifying module used by said conversion module to add to said representation coding to iconify said recognized text-based telephone number.